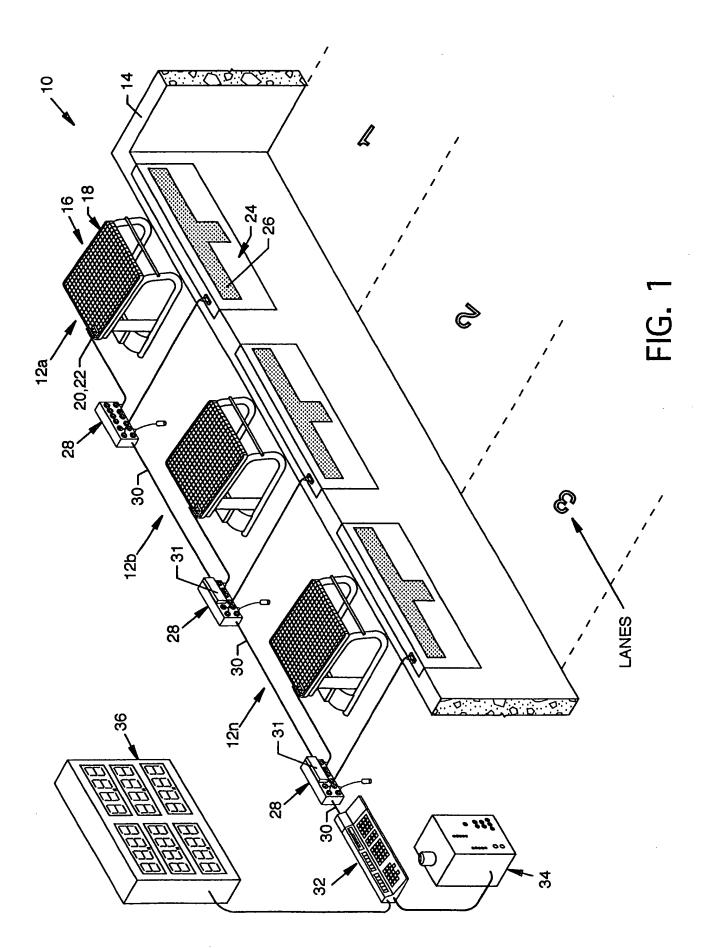
CAPACITIVE RELAY TAKEOFF SWIMMING PLATFORM SENSOR SYSTEM

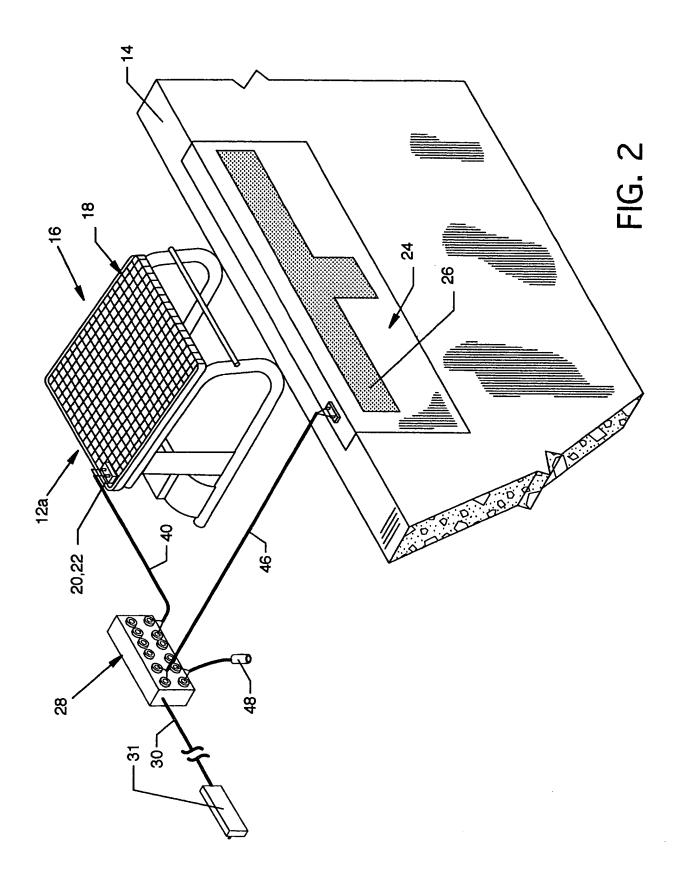
PARTS LIST

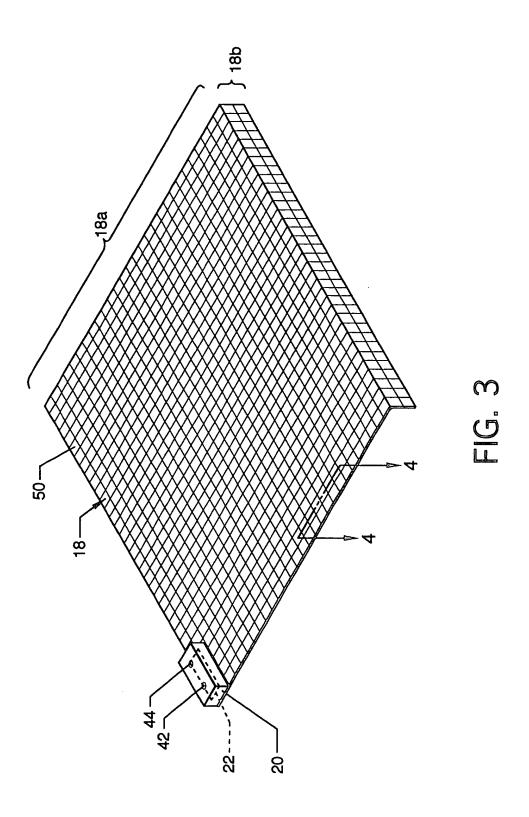
10	capacitive relay takeoff swimming platform sensor	36	scoreboard
	system	38	banana plug
12a-n	swimming lane stations	40	cable
		42	jack
14	swimming pool	44	jack
16	relay takeoff	46	cable
	swimming platform	4.0	
18	sensing mat	48	control buttons
	_	50	conductive
18a	horizontally oriented portion		exterior layer
	orner process	52	conductive sense
18b	vertically		electrode
	oriented portion		
	-	54	charge-transfer
20	housing		touch integrated circuit
22	sensor circuit		0110410
		56	conductive ground
24	touchpad		electrode
26	touchpad sensor	58	insulator layer
	_	60	insulator layer
28	lane module	62	insulator layer
30	cable	64	capacitive
	_		monitor circuit
31	plugs	c ==	
20	#	65	resistor
32	timer	66	anmalina
34	start system	00	sampling capacitor
34	scare system		capacitor

DAKTRONICS - CAPACITIVE RELAY TAKEOFF SWIMMING PLATFORM SENSOR SYSTEM 12-17-2003 2:30 PM MYFILES\PAT\P517

67	resistor		
68	RC circuit	98	input filt r capacitor
70	capacitor	100	diode
72	resistor	102 104	resistor resistor
74	switching transistor	106	diode
76 78	diode diode	108	output filter capacitor
80	battery circuit	110	bypass capacitor
82	lithium battery	111	Zener diode
83	regulated power supply	112a-n	programming cables
84 86	battery battery		
87	battery test circuit		
88	test switch		
89	switching transistor		
90	LED		
92	battery protection circuit		
94	switching transistor		
95	switching transistor		
96 97	diode diode		







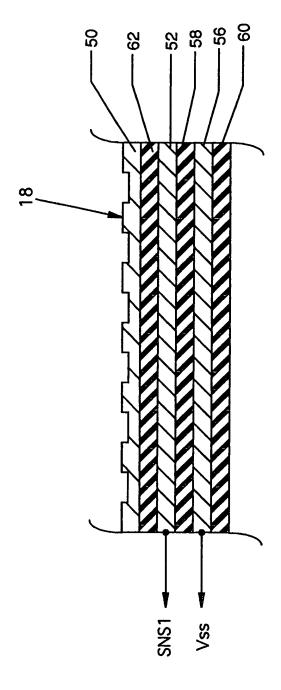
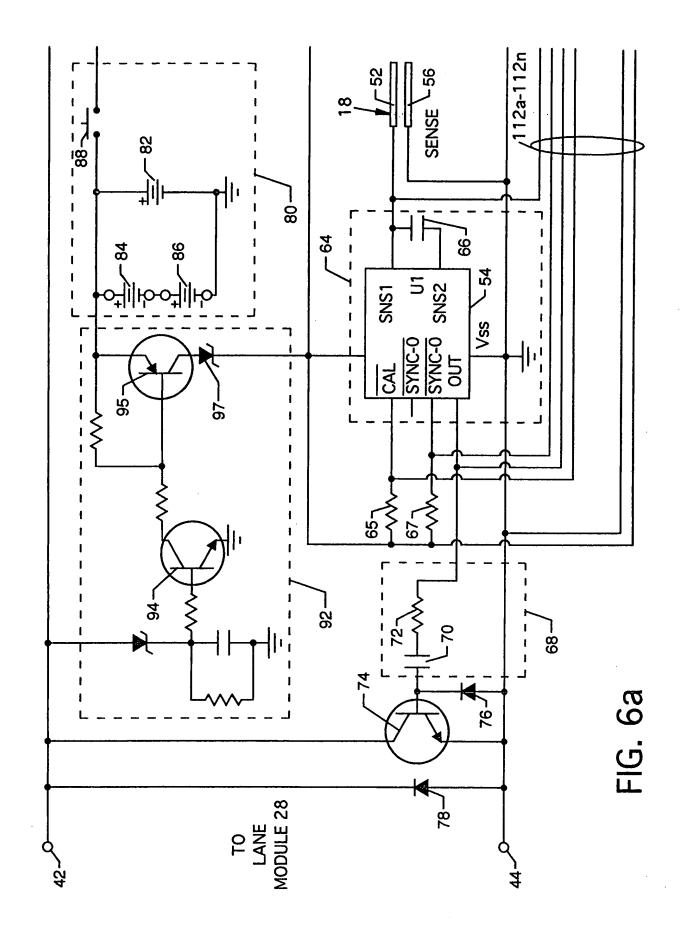


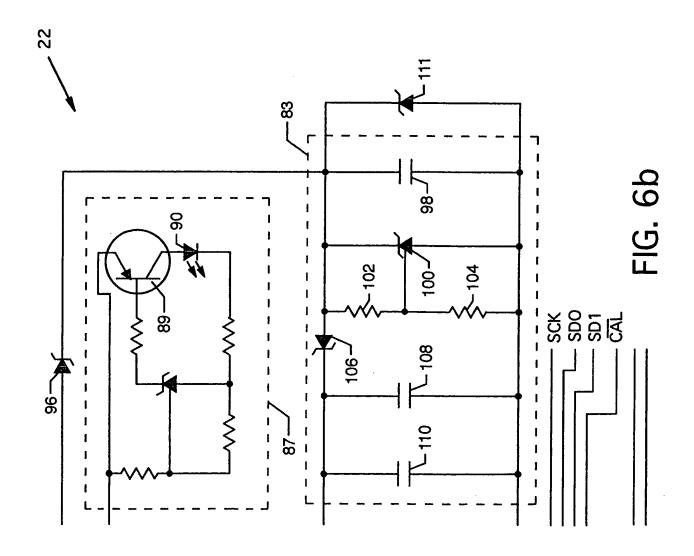
FIG. 4

FIG. 6a

FIG. 5

7





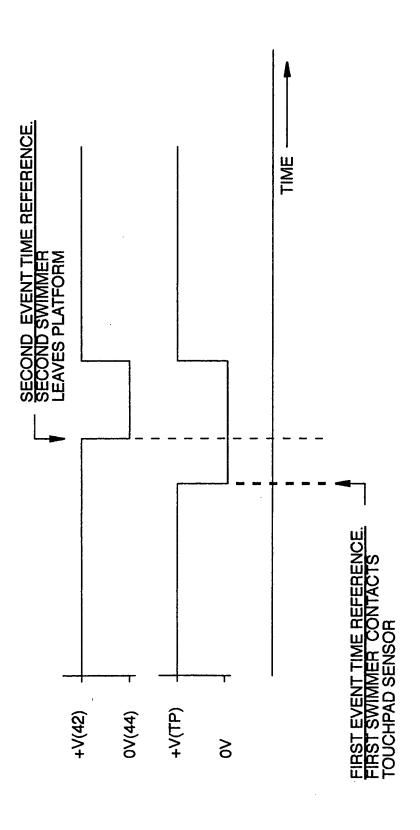


FIG. 7

